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SOLAR PUMP INVERTER SERIES

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AD100-PV Solar Series



- Effective protection including PV over-voltage protection, PV polarity reverse warning, auto derating against over-temperature, etc.
- Advanced MPPT algorithms: solar power tracking efficiency reaches 99%.
- Supports GPRS module, which can remotely monitor the controller by using the APP.
- Automatically start or sleep once connected to solar panels without any parameter settings.
- Optional boost module for 2.2kW and below, to make the pump work in low voltage situations.
- Optional enclosures for IP54 protection.

Applications



Domestic water supply



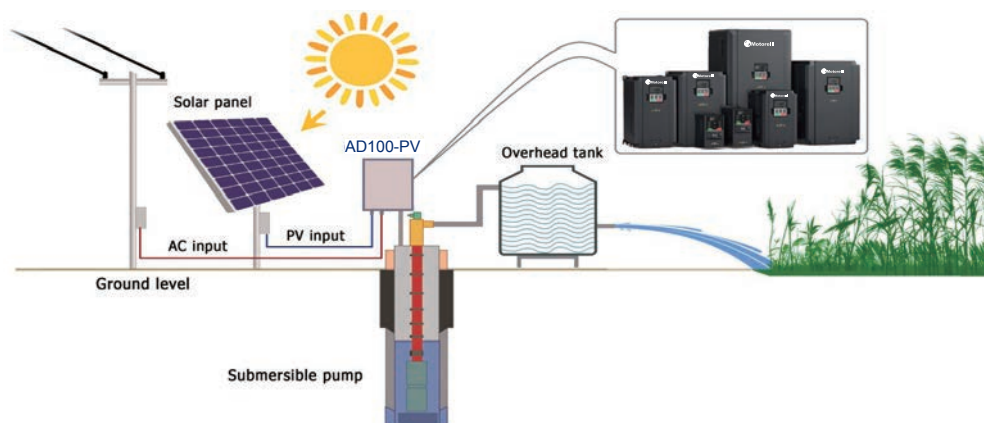
Agricultural irrigation



Industry



Water supply



Application system diagram



Type Selection

AD100 – 5R5G – 4 5 – PV

① ② ③ ④ ⑤

NO.	SIGN	DESCRIPTION	REMARKS
①	AD100	Product abbreviation	AD100 is short for Goodrive100.
②	5R5	Power range + Load type	5R5: 5.5kW G: Constant torque load.
③	4	Voltage degree	4: AC 3PH 380V (-15%)–440(+10%) 2: AC 3PH 220V (-15%)–240(+10%) S2: AC 1PH 220V (-15%)–240(+10%) SS2: AC 1PH input/output 220V (-15%)–240(+10%)
④	5	Protection level	5: IP54 Standard controller is IP20, not displayed.
⑤	PV	Industrial code	PV stands for solar pump.

Power Ratings

SERIES	MODEL	RATED OUTPUT POWER		RATED INPUT CURRENT (A)	RATED OUTPUT CURRENT (A)
		kW	Hp		
1PH 220 Input 1PH 220V Output	AD100-0R4G-SS2-PV	0.4	0.5	6.5	4.2
	AD100-0R7G-SS2-PV	0.75	2	9.3	7.2
	AD100-1R5G-SS2-PV	1.5	5	15.7	10.2
	AD100-2R2G-SS2-PV	2.2	3	24	14
1PH 220V	AD100-0R4G-S2-PV	0.4	0.5	6.5	2.5
	AD100-0R7G-S2-PV	0.75	1	9.3	4.2
	AD100-1R5G-S2-PV	1.5	2	15.7	7.5
	AD100-2R2G-S2-PV	2.2	3	24	10
3PH 220V	AD100-1R5G-2-PV	1.5	2	7.7	7.5
	AD100-2R2G-2-PV	2.2	3	12	10
	AD100-004G-2-PV	4	5.5	17	16
	AD100-5R5G-2-PV	5.5	7.5	25	20
3PH 380V	AD100-7R5G-2-PV	7.5	10	33	30
	AD100-0R7G-4-PV	0.75	1	3.4	2.5
	AD100-1R5G-4-PV	1.5	2	5	4.2
	AD100-2R2G-4-PV	2.2	3	5.8	5.5
	AD100-004G-4-PV	4	5.5	13.5	9.5
	AD100-5R5G-4-PV	5.5	7.5	19.5	14
	AD100-7R5G-4-PV	7.5	10	25	18.5
	AD100-011G-4-PV	11	15	32	25
	AD100-015G-4-PV	15	20	40	32
	AD100-0158G-4-PV	18.5	25	47	38
	AD100-022G-4-PV	22	30	56	45
	AD100-030G-4-PV	30	41	70	60
	AD100-037G-4-PV	37	50	80	75
	AD100-045G-4-PV	45	61	90	92
	AD100-055G-4-PV	55	73	105	115
	AD100-075G-4-PV	75	100	139	150
	AD100-090G-4-PV	90	120	168	180
	AD100-110G-4-PV	110	147	201	215
	AD100-132G-4-PV	132	177	265	260
	AD100-160G-4-PV	160	214	310	305
	AD100-185G-4-PV	185	248	345	340
	AD100-200G-4-PV	200	268	385	380
	AD100-220G-4-PV	220	299	430	425
	AD100-250G-4-PV	250	340	485	480
	AD100-280G-4-PV	280	381	545	530
	AD100-315G-4-PV	315	428	610	600
	AD100-355G-4-PV	355	482	625	650
	AD100-400G-4-PV	400	544	715	720
	AD100-450G-4-PV	450	612	840	820
	AD100-500G-4-PV	500	680	890	860

Product Specifications

MODEL	-SS2	-S2	-2	-4	
AC input voltage (V)	220(-15%)~240(+10%) (1PH)		220(-15%)~240 (+10%) (3PH)	380(-15%) ~440 (+10%) (3PH)	380(-15%)~440 (+10%) (3PH)
Max. DC input voltage (V)	440	440	440	800	900
Start-up voltage (V)	200	200	200	300	300
Lowest working voltage (V)	150	150	150	250	250
Recommended DC input voltage range (V)	200-400	200-400	200-400	300-750	300-750
Recommended MPP voltage (V)	330	330	330	550	550
Rated output voltage (V)	220 (1PH)	220 (3PH)	220 (3PH)	380 (3PH)	380 (3PH)
Output frequency range (Hz)	0~400				
MPPT	99%				
Installation method	Wall mounting/Rail mounting/Flange installation.				
Environment parameters	-10°C~+50°C. If above 40°C, derate 2% for every additional 1°C.				
Altitude	Below 1000m. IF above 1000m, derate 1% every additional 100m.				
Cooling manner	Fan cooling				
Protection level	IP20 ; IP54 (Cabinet)				

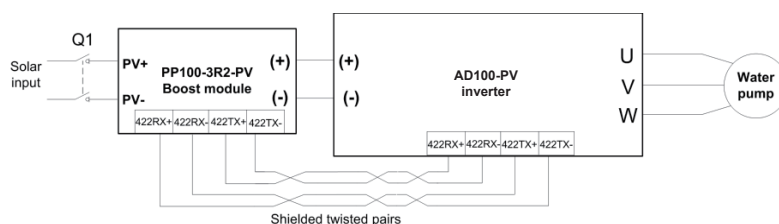
Options

Recommended configuration for solar pumping controllers with the boost module

PP100-3R2-PV + SOLAR PUMPING CONTROLLER	MAX. DC INPUT CURRENT	OPEN-CIRCUIT VOLTAGE DEGREE OF SOLAR MODULE			
		Voc=45±1Vdc		Voc=49±1Vdc	
		Module power±5Wp	Modules per string * strings	Module power±5Wp	Modules per string * strings
AD100-0R4G-SS2-PV	12	300	3*1	540	2*1
AD100-0R7G-SS2-PV	12	300	4*1	540	3*1
AD100-1R5G-SS2-PV	12	300	7*1	540	5*1
AD100-0R4G-S2-PV	12	300	3*1	540	2*1
AD100-0R7G-S2-PV	12	300	4*1	540	3*1
AD100-1R5G-S2-PV	12	300	7*1	540	5*1
AD100-0R7G-4-PV	12	300	4*1	540	3*1
AD100-1R5G-4-PV	12	300	7*1	540	5*1
AD100-2R2G-4-PV	12	300	11*1	540	7*1

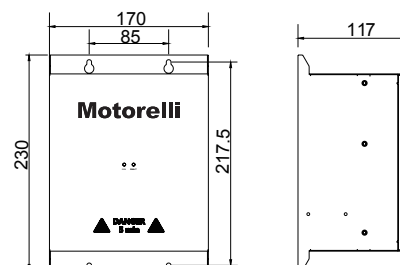
Boost module

0.4-2.2kW models can be configured with the boost module, which can improve the utilization of the solar panels.



Connection between the boost module and AD100-PV

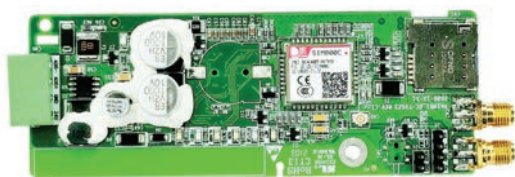
MODEL	PP100-3R2-PV
Input	
Max. input power (W)	3200
Max. DC voltage (V)	600
Start-up voltage (V)	80
Min. working voltage (V)	70
Max. input current (A)	12
Output	
Output voltage (V)	350/570 (automatically determined by the controller)



Installation dimension

GPRS module and monitoring APP

AD100-PV series supports the installation of the GPRS module to implement remote monitoring. The controller operation state can be monitored on the APP in the mobile phone or web page in real time.



GPRS module

W1

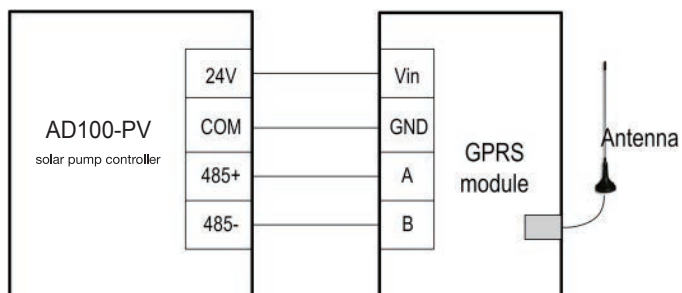
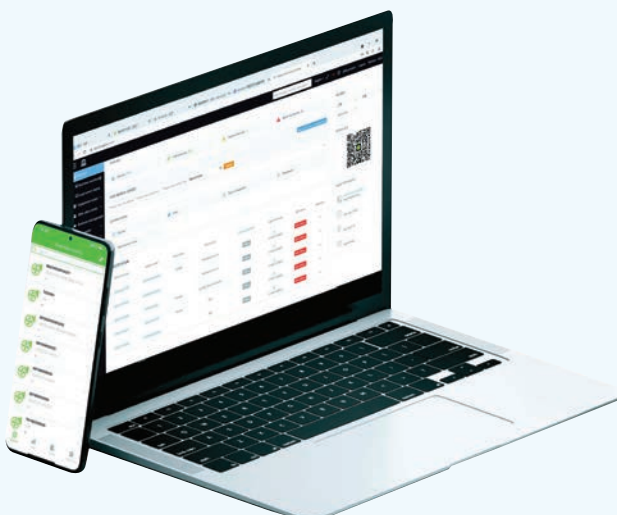
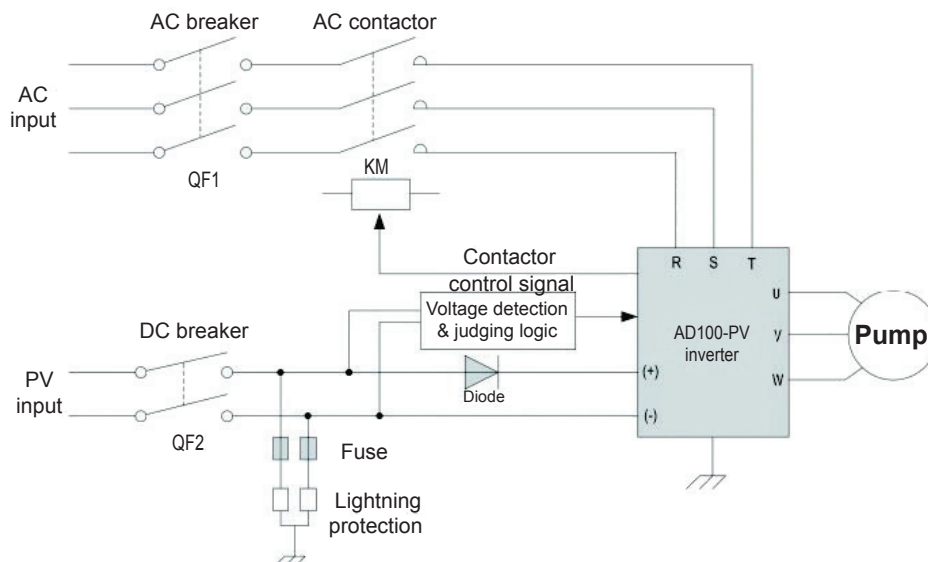


Diagram of connection to the GPRS module to the controller



Solution for Auto Switch between AC and DC supply

Generally, controllers do not allow simultaneous connection of PV and AC input. If simultaneous connection is required, an external configuration must be made to switch the control circuit. One solution for auto switching is recommended:



Model selection reference for low-voltage apparatus

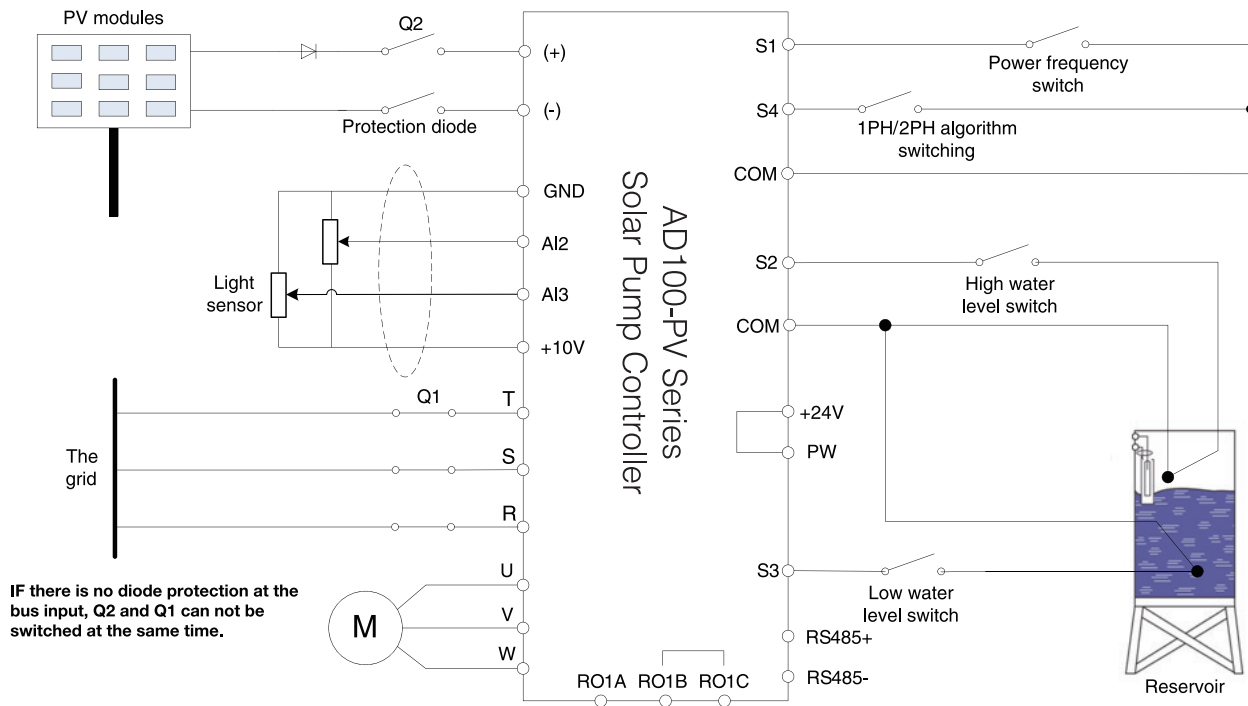
MODEL	AC BREAKER (A)	DC BREAKER (A)	AC CONTACTOR (A)	SURGE PROTECTION	FUSE	DIODE
AD100-0R4G-SS25-PV-AS	16	16A/500V	16	Type II 1000VCC	30A	Not required if equipped with the boost module
AD100-0R7G-SS25-PV-AS	25		25			
AD100-1R5G-SS25-PV-AS	40		32			
AD100-2R2G-SS25-PV-AS	40		32			
AD100-0R4G-S25-PV-AS	16		10			
AD100-0R7G-S25-PV-AS	16		16			
AD100-1R5G-S25-PV-AS	25		25			
AD100-2R2G-S25-PV-AS	40		32			
AD100-0R7G-45-PV-AS	10	16A/1000V	10			55A/1600V
AD100-1R5G-45-PV-AS	10		10			
AD100-2R2G-45-PV-AS	16		10			
AD100-004G-45-PV-AS	25	63A/1000V	16			
AD100-5R5G-45-PV-AS	25		16			
AD100-004G-25-PV-AS	25		16			
AD100-7R5G-45-PV-AS	40		25			
AD100-5R5G-25-PV-AS	40		25			
AD100-011G-45-PV-AS	63		32			
AD100-7R5G-25-PV-AS	63	80A/1000V	32			110A/1600V
AD100-015G-45-PV-AS	63		50			
AD100-018G-45-PV-AS	100	125A/1000V	63			
AD100-022G-45-PV-AS	100		80			
AD100-030G-45-PV-AS	125		95			
AD100-037G-45-PV-AS	160		120			

Recommended Solar Array Configuration

Recommended configuration in standard condition

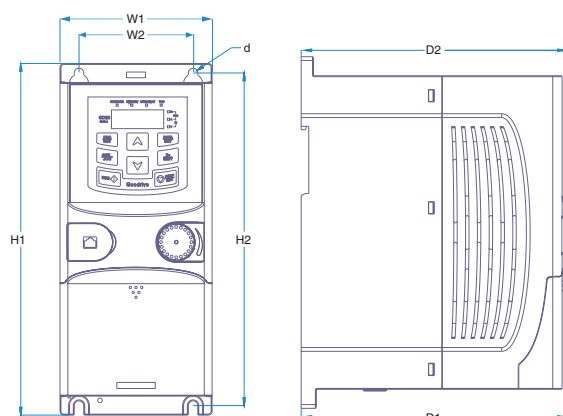
MODEL	OPEN-CIRCUIT VOLTAGE DEGREE OF SOLAR MODULE			
	Voc=45±1Vdc		Voc=49±1Vdc	
	Panel Power (W)	Configuration (Per string * strings)	Panel Power (W)	Configuration (Per string * strings)
AD100-0R4G-SS2-PV	300	9*1	540	8*1
AD100-0R7G-SS2-PV	300	9*1	540	8*1
AD100-1R5G-SS2-PV	300	9*1	540	8*1
AD100-2R2G-SS2-PV	300	9*1	540	8*1
AD100-0R4G-S2-PV	300	9*1	540	8*1
AD100-0R7G-S2-PV	300	9*1	540	8*1
AD100-1R5G-S2-PV	300	9*1	540	8*1
AD100-2R2G-S2-PV	300	9*1	540	8*1
AD100-1R5G-S2-PV	300	9*1	540	8*1
AD100-2R2G-S2-PV	300	9*1	540	8*1
AD100-004G-S2-PV	300	9*2	540	9*1
AD100-5R5G-S2-PV	300	9*3	540	8*2
AD100-7R5G-S2-PV	300	9*4	540	9*2
AD100-0R7G-4-PV	300	15*1	540	14*1
AD100-1R5G-4-PV	300	15*1	540	14*1
AD100-2R2G-4-PV	300	15*1	540	14*1
AD100-004G-4-PV	300	16*1	540	14*1
AD100-5R5G-4-PV	300	15*2	540	14*1
AD100-7R5G-4-PV	300	15*2	540	16*1
AD100-011G-4-PV	300	15*3	540	14*2
AD100-015G-4-PV	300	15*4	540	16*2
AD100-018G-4-PV	300	15*5	540	14*3
AD100-022G-4-PV	300	15*6	540	14*4
AD100-030G-4-PV	300	15*8	540	15*5
AD100-037G-4-PV	300	15*9	540	15*5
AD100-045G-4-PV	300	15*11	540	16*7
AD100-055G-4-PV	300	15*14	540	15*9
AD100-075G-4-PV	300	15*19	540	14*13
AD100-090G-4-PV	300	15*22	540	15*14
AD100-110G-4-PV	300	15*27	540	15*18
AD100-132G-4-PV	300	15*38	540	15*21
AD100-160G-4-PV	300	15*46	540	15*26
AD100-185G-4-PV	300	15*53	540	15*30
AD100-200G-4-PV	300	15*57	540	15*32
AD100-220G-4-PV	300	15*36	540	15*63
AD100-250G-4-PV	300	15*40	540	15*72
AD100-280G-4-PV	300	15*45	540	15*80
AD100-315G-4-PV	300	15*50	540	15*91
AD100-355G-4-PV	300	15*57	540	15*102
AD100-400G-4-PV	300	15*64	540	15*155
AD100-450G-4-PV	300	15*27	540	15*130
AD100-500G-4-PV	300	15*80	540	15*144

System Wiring Diagram



Installation Dimensions & Diagrams

Wall Mounting

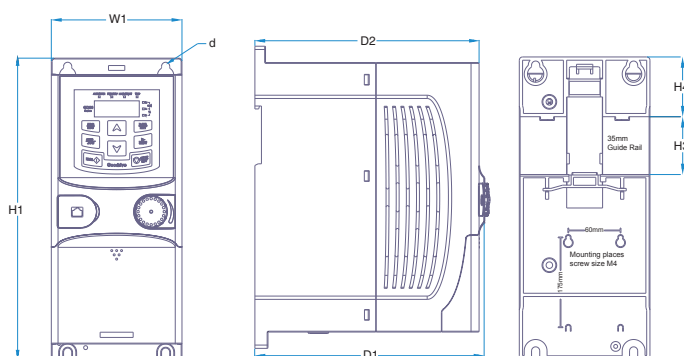


Wall mounting for models below 2.2kW

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	W2	H1	H2	D1	D2	INSTALLATION HOLE DIAMETER (D)
1PH 220V	0.4-0.75kW	80.0	60.0	160.0	150.0	123.5	120.3	Ø5
1PH 220V in 1PH 220V out	0.4kW	80.0	60.0	160.0	150.0	123.5	120.3	Ø5
1PH 220V	1.5-2.2kW	80.0	60.0	185.0	175.0	140.5	137.3	Ø5
1PH 220V in 1PH 220V out	0.75-2.2kW	80.0	60.0	185.0	175.0	140.5	137.3	Ø5
3PH 380V	0.75-2.2kW	80.0	60.0	185.0	175.0	140.5	137.3	Ø5

Rail Mounting

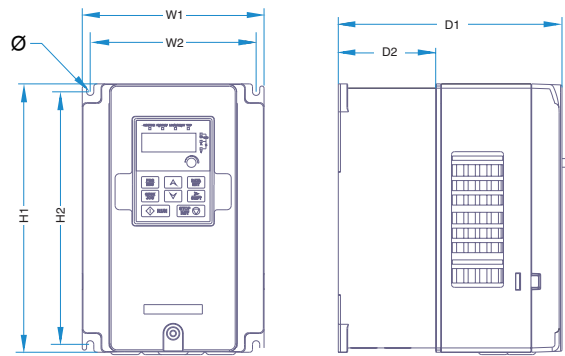


Rail mounting for models below 2.2kW

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	H1	H3	H4	D1	D2	INSTALLATION HOLE DIAMETER (D)
1PH 220V	0.4-0.75kW	80.0	160.0	35.4	36.6	123.5	120.3	Ø5
1PH 220V in 1PH 220V out	0.4kW	80.0	160.0	35.4	36.6	123.5	120.3	Ø5
1PH 220V	1.5-2.2kW	80.0	185.0	35.4	36.6	140.5	137.3	Ø5
1PH 220V in 1PH 220V out	0.75-2.2kW	80.0	185.0	35.4	36.6	140.5	137.3	Ø5
3PH 380V	0.75-2.2kW	80.0	185.0	35.4	36.6	140.5	137.3	Ø5

Wall Mounting

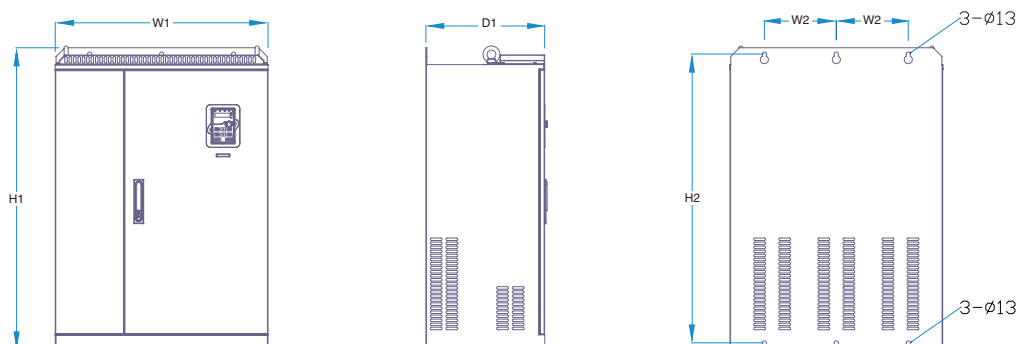


Wall mounting for the 4~200kW models

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	W2	H1	H2	D1	D2	INSTALLATION HOLE DIAMETER (D)
3PH 220V	1.5-2.2kW	146.0	131.0	256.0	243.5	167.0	84.5	Ø6
3PH 380V	4-5.5kW	146.0	131.0	256.0	243.5	167.0	84.5	Ø6
	7.5-15kW	170.0	151.0	320.0	303.5	196.3	113.0	Ø6
3PH 220V	4-7.5kW	170.0	151.0	320.0	303.5	196.3	113.0	Ø6
3PH 380V	18.5-22kW	200.0	185.0	340.6	328.6	184.3	104.5	Ø6
	30-37kW	250.0	230.0	400.0	380.0	202.0	123.5	Ø6
	45-75kW	282.0	160.0	560.0	542.4	238.0	138.0	Ø9
	90-110kW	338.0	200.0	554.0	534.0	326.2	—	Ø9.5
	132-200kW	500.0	360.0	870.0	850.0	360.0	—	Ø11

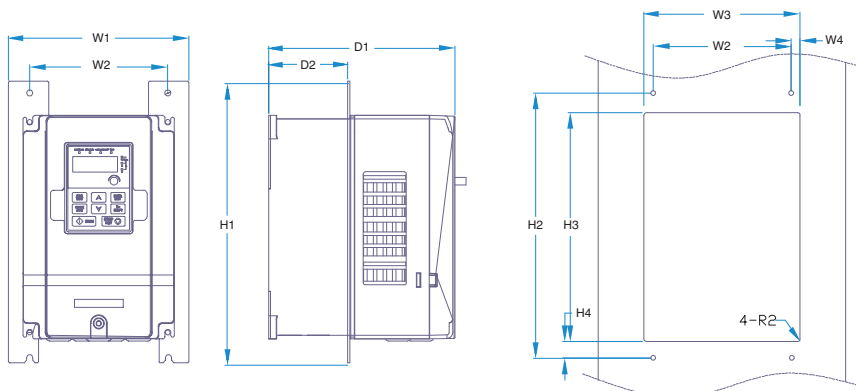
Flange Mounting



Flange mounting for the 4~200kW models

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	W2	H1	H2	D1	INSTALLATION HOLE DIAMETER (D)
3PH 380V	220-315kW	680	230	960	926	387.9	Ø13

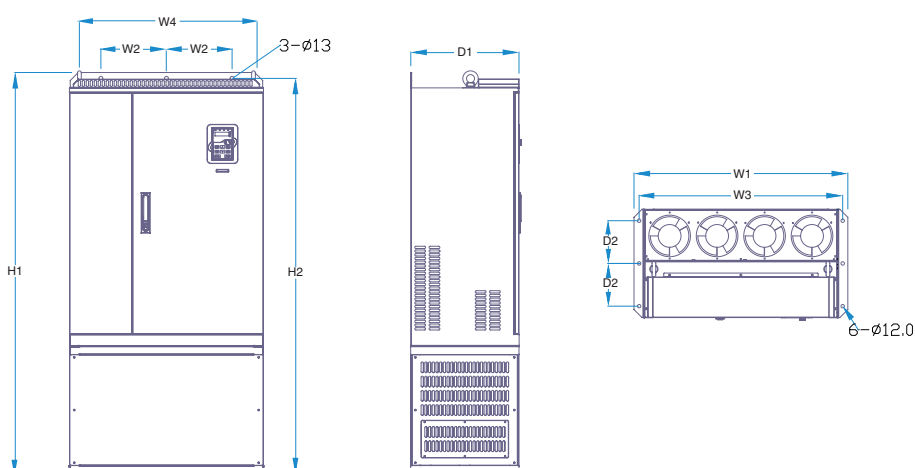


Flange mounting for the 4~200kW models

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	W2	W3	W4	H1	H2	H3	H4	D1	D2	INSTALLATION HOLE DIAMETER (D)
3PH 380V	4-5.5kW	170.2	131	150	9.5	292	276	260	6	167	84.5	Ø6
	7.5-15kW	191.2	151	174	11.5	370	351	324	12	196.3	113	Ø6
3PH 220V	1.5-2.2kW	170.2	131	150	9.5	292	276	260	6	167	84.5	Ø6
	4-7.5kW	191.2	151	174	11.5	370	351	324	12	196.3	113	Ø6
3PH 380V	18.5-22kW	266	250	224	13	371	250	350.6	20.3	184.6	104	Ø6
	30-37kW	316	300	274	13	430	300	410	55	202	118.3	Ø6
	45-75kW	352	322	306	13	580	400	570	80	238	133.8	Ø9
	90-110kW	418.5	361	389.5	14.2	600	559	370	108.5	329.5	149.5	Ø9.5
	132-200kW	500	360	480	60	870	850	796	37	358	178.5	Ø11

Floor Mounting

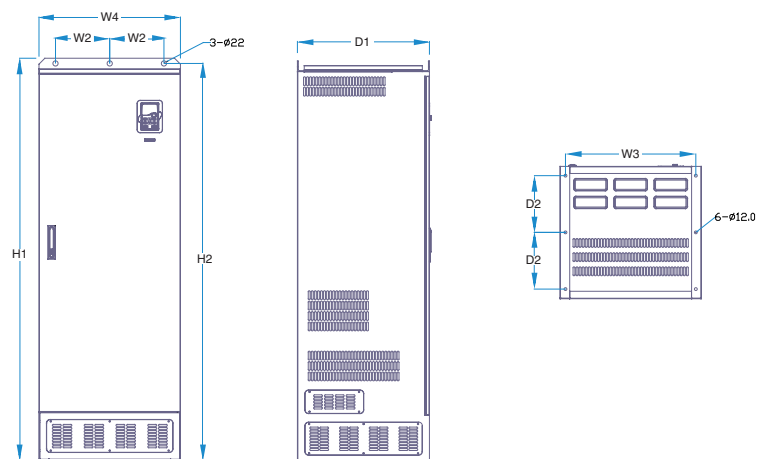


Floor mounting for the 220~315kW models

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	W2	W3	W4	H1	H2	D1	D2	INSTALLATION HOLE DIAMETER (D)
3PH 380V	220-315kW	750	230	714	680	1410	1390	380	150	Ø6

Floor Mounting



Floor mounting for the 355~500kW models

(unit: mm)

VOLTAGE LEVEL	VFD MODEL	W1	W2	W3	W4	H1	H2	D1	D2	INSTALLATION HOLE DIAMETER (D)
3PH 380V	355-500kW	620	230	573	\	1700	1678	560	240	Ø22/12



SP100 - Solar Series

Model Introduction

Features: High ingress protection; Functionality; Robust; Hybrid solution

Advantages: Cost savings; Outdoor installations

Benefit: Easy installation; Plug & Play; Wifi capabilities

SP100 (DC)

Only PV input

- IP66 protection level, outdoor installation
- Integrated DC breaker
- Integrated Fuse
- Integrated surge protection
- Multi pump protection
- Automatic run and stop
- LCD display
- Support 4G and WIFI for monitoring



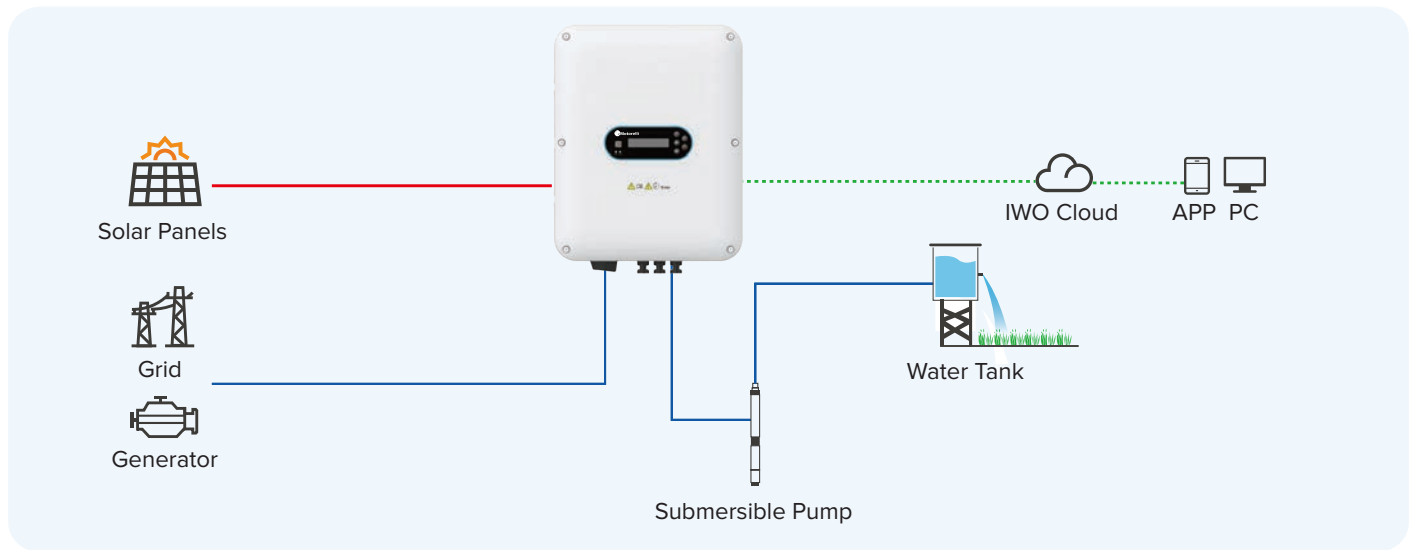
SP100 (AC & DC)

Support hybrid operation

- Same as SP100(DC)
- Support the connection of grid and PV
- Automatic hybrid compensation
- Built-in anti-reverse diode
- AC, DC energy consumption display
- Below 4kw built-in booster(include 4kW)



System Diagram



Model Name

SP100 - 004 - 4 - T - 6 - S

Product series SP100: SP100 series solar pump controller

Power range 004: 4kW

Voltage class

4-T: AC 3PH 380V(-15%)-440V(+10%); DC 220V-900V

2-T: AC 1PH/3PH 220V(-15%)~240V(+10%); DC 100V~450V

D4: DC 250V-900V

D2: DC 150V-450V

4: AC 3PH 380V(-15%)-440V(+10%); DC 250V-900V

2: AC 1PH/3PH 220V(-15%)~240V(+10%); DC 150V~450V

Boost module 0: IP00 6: IP66

Ingress protection (IP) Empty: No built-in boost module T : With built-in boost module

Product configuration S: Standard

Applications



Domestic applications



Agricultural irrigation



Borehole applications





Features

High Integration

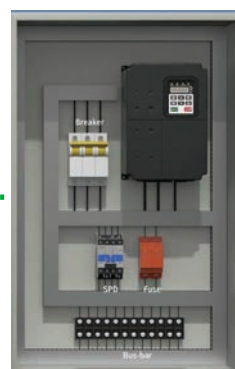
SP100 integrates DC breaker, Fuse, SPD and Bus-bar, and with its IP66 ingress protection degree, it's a plug & play solution.

SP100 can reduce the size and cost of the installation



SP100

VS



Traditional inverter

High Ingress Protection Degree

- Dust and waterproof: Prevent equipment failures caused by dust and moisture.
- Flexible installation: Can be directly installed below the PV modules.



High Reliability

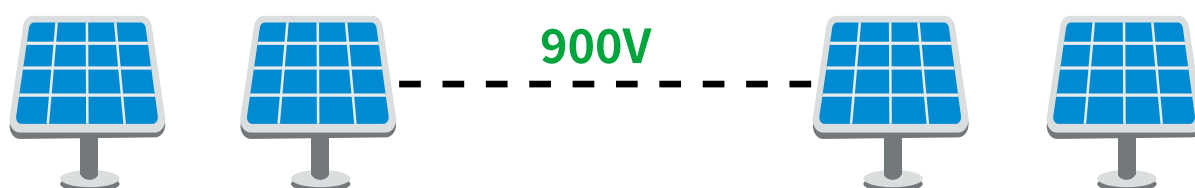
- High safety: Support physical anti-theft.
- Significantly reduce damage rate caused by moisture, dust, and other objects.





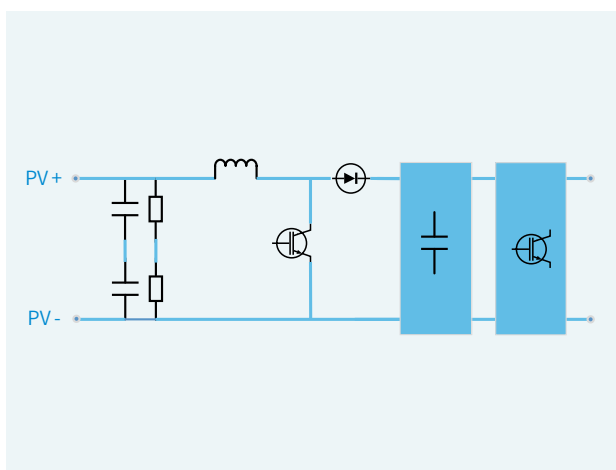
Max. DC input 900V

- High efficiency.
- Start earlier and stop later due to strength of PV modules in the unit.



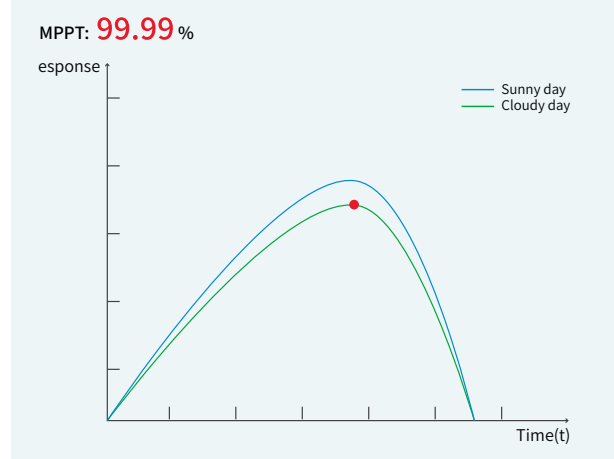
Built-in Booster

- Below 4kw SP100 includes booster module.
- The booster allows the inverter to start at low voltage, reducing the number of solar panels.



Efficient MPPT algorithm

- Integrated efficient MPPT algorithm for higher energy utilization and larger water discharge.

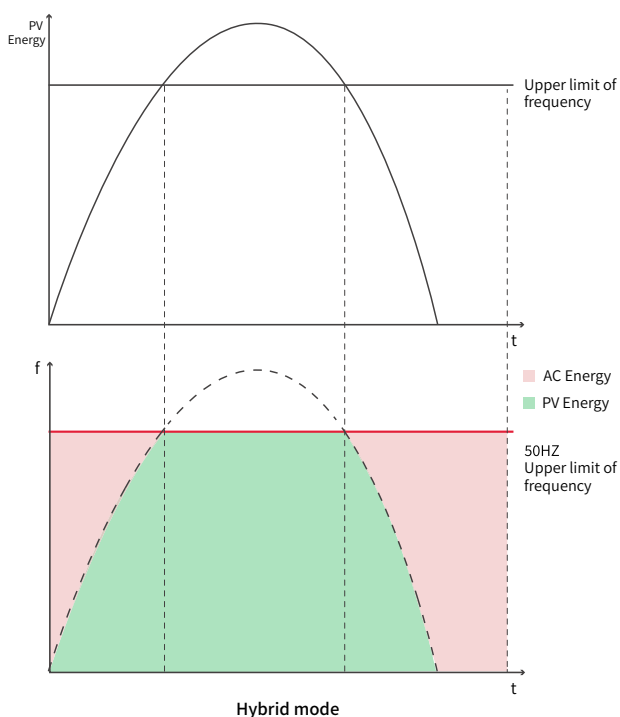




AC Working Mode

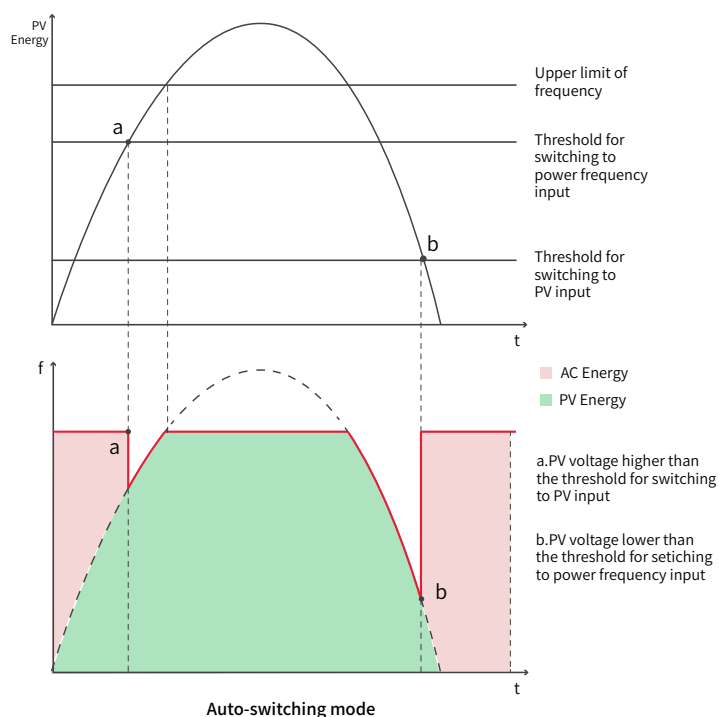
Hybrid mode

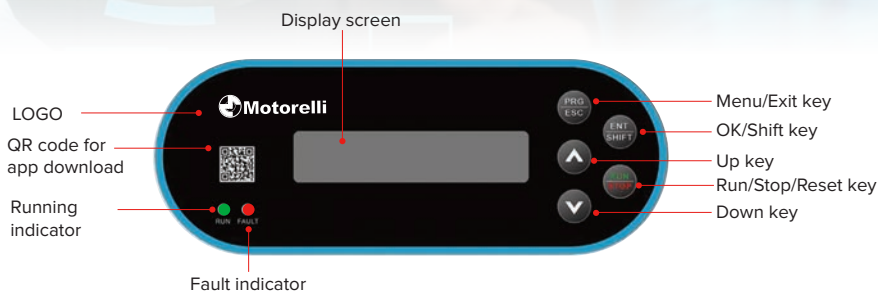
In hybrid mode, SP100 will use the energy of both PV modules and grid (or generator) at same time. The stronger the PV, the less AC energy is consumed. As the PV is reduced, the consumption of AC energy will increase to maintain the output.



Auto-switching

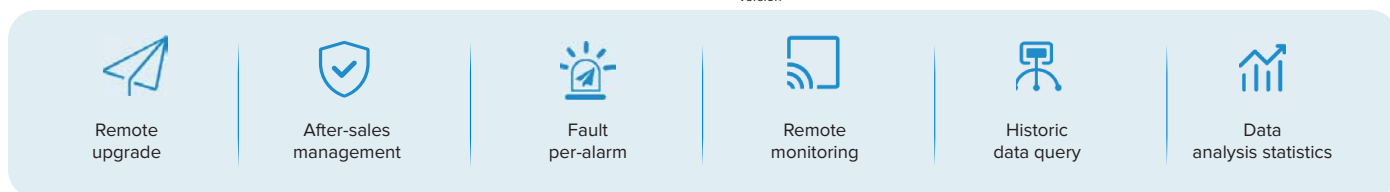
If full output is not required the SP100 has auto-switching function. It can monitor the PV voltage, and when the voltage is below the set threshold, it can control the contactor to act and connect AC power to meet energy needs. When the voltage on the PV side exceeds the set threshold, the contactor can be controlled to operate and disconnect the AC power to reduce energy consumption.





Remote monitoring

- Supports 4G and WiFi modules.
- Users can remotely monitor the solar water pump system through computers and mobile phones.



MODEL	ICA400-06N	ICA100-06N
Remote Communication Interface	4G	WIFI
Antenna	Built in	
Data Interface	RS485	
Working Voltage	DC5~12V	
Working Power	3W	1.5W
SIM Card	MicroSIM	-
Memory	8M Flash	2M Flash
Working Temperature	-25~65°C	
Working Humidity	<90% ((No Condensation)	
Shell material	PC+ABS VO	
Serial Communication Rate	9600bps (1200~115200 adjustable)	
Data Acquisition Interval	5 minutes (1~15 minutes adjustable)	
User Configuration	APP/Bluetooth	
Firmware Upgrade	Remote	



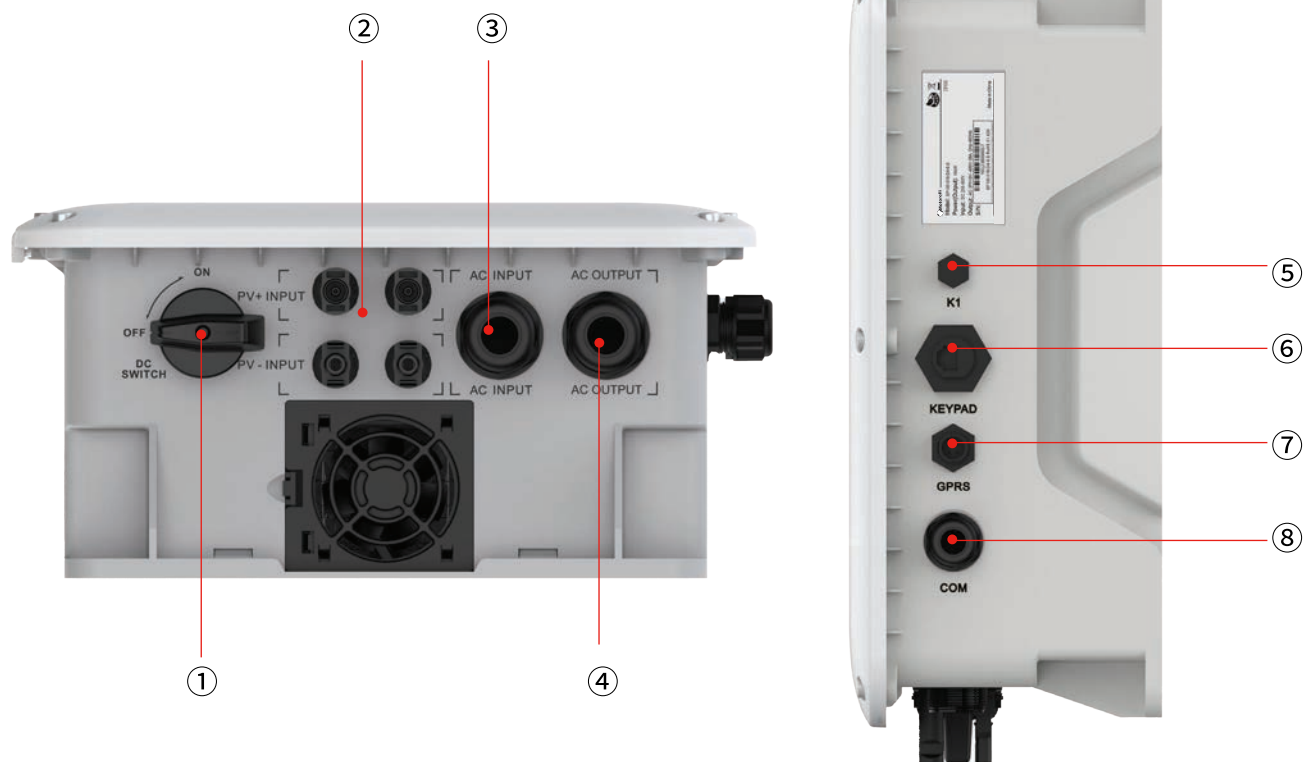
Rated specification parameters

MODEL	-D2	-D4	-2-T	-2	-4-T	-4
DC Input						
Max. Input Voltage(V)	450	900	450		900	
Start-up Voltage(V)	200	300	100	200	100	300
Min. Input Voltage(V)	150	250	70	150	70	250
Recommended Voltage Range(V)	200-400	300-850	100-400	200-400	100-850	300-850
Recommended MPP Voltage(V)	350	570	×	350	×	570
Booster module	×	×	Integrated	×	Integrated	×
MPPT Efficiency	99%					
AC Input						
Input voltage(V)	/		220V(-15%)~240V(+10%)		380V(-15%)~440V(+10%)	
AC Output						
Rated Output Voltage(V)	220	380	220		380	
Output Frequency Range(Hz)	0~400Hz					
Protection						
Low-voltage Protection	Integrated					
Over-voltage Protection	Integrated					
Over-load Protection	Integrated					
Dry Run Protection (Low-load protection)	Integrated					
Over-heat Protection	Integrated					
Surge Protection	Integrated					
Full-Water/Empty-Water	Integrated					
General Data						
Ingress Protection Degree	IP66					
Installation manner	Wall mounting					
GPRS	4G,WIFI					
Keypad	LCD					
Cooling manner	Nature cooling/ Fan cooling					

Recommended Solar Array Configuration

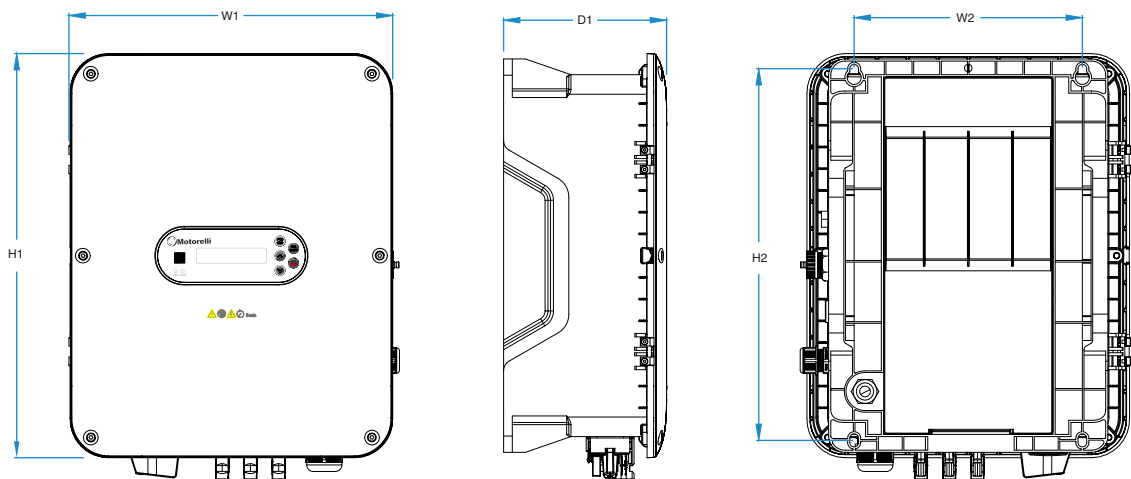
SERIES	MODEL	RATED OUTPUT POWER (kW)	AC INPUT CURRENT(A)	PV MAX. INPUT CURRENT(A)	OUTPUT CURRENT(A)
DC	SP100-2R2-D2-6-S	2.2	/	15	5.5
	SP100-2R2-D4-6-S	2.2		15	5
	SP100-004-D4-6-S	4		15	9.5
	SP100-5R5-D4-6-S	5.5		30	14
	SP100-7R5-D4-6-S	7.5		30	18.5
	SP100-011-D4-6-S	11		30	25
	SP100-015-D4-6-S	15		45	32
	SP100-018-D4-6-S	18.5		45	38
AC&DC Built-in booster	SP100-0R7-2-T-6-S	0.75	9.3	15	7.2
	SP100-1R5-2-T-6-S	1.5	15.7	15	10.2
	SP100-2R2-2-T-6-S	2.2	24	15	14
	SP100-2R2-4-T-6-S	2.2	5.8	15	5.5
	SP100-004-4-T-6-S	4	13.5	15	9.5
AC&DC	SP100-2R2-4-6-S	2.2	5.5	15	5.5
	SP100-004-4-6-S	4	9.5	15	9.5
	SP100-5R5-4-6-S	5.5	14	30	14
	SP100-7R5-4-6-S	7.5	18.5	30	18.5

Terminal Introduction



SIGN	DESCRIPTION	FUNCTION
①	DC SWITCH	Control the on/off of DC input
②	PV INPUT	DC input terminals
③	AC INPUT	AC input terminal
④	AC OUTPUT	AC output terminal
⑤	K1	Air vent
⑥	KEYPAD	External keypad terminal
⑦	GPRS	IoT terminal
⑧	COM	Control signal terminal

Dimensions



FEAME	MODEL	COOLING MANNER	DIMENSION W×H×D(mm)	WEIGHT (kg)
A1	SP100-2R2-D2-6-S	Nature Cooling	252×247×120	2.0
	SP100-2R2-D4-6-S	Nature Cooling		
	SP100-004-D4-6-S	Nature Cooling		
A2	SP100-5R5-D4-6-S	Nature Cooling	270x274x150	3.8
	SP100-7R5-D4-6-S	Nature Cooling		
	SP100-2R2-2-6-S	Air Cooling		
	SP100-2R2-4-6-S	Air Cooling		
A3	SP100-011-D4-6-S	Air Cooling	298×372×150	5.0
	SP100-015-D4-6-S	Air Cooling		
	SP100-018-D4-6-S	Air Cooling		
	SP100-0R7-2-T-6-S	Air Cooling		
	SP100-1R5-2-T-6-S	Air Cooling		
	SP100-2R2-2-T-6-S	Air Cooling		
	SP100-2R2-4-T-6-S	Air Cooling		
	SP100-004-4-T-6-S	Air Cooling		
	SP100-004-4-6-S	Air Cooling		
	SP100-5R5-4-6-S	Air Cooling		
	SP100-7R5-4-6-S	Air Cooling		



Recommended Solar Array Configuration

SERIES	MODEL	RATED OUTPUT POWER (kW)	VOC=49±1V P=540W
			CONFIGURATION
DC	SP100-2R2-D2-6-S	2.2	8*1
	SP100-2R2-D4-6-S	2.2	14*1
	SP100-004-D4-6-S	4	14*1
	SP100-5R5-D4-6-S	5.5	14*1
	SP100-7R5-D4-6-S	7.5	16*1
	SP100-011-D4-6-S	11	14*2
	SP100-015-D4-6-S	15	16*2
	SP100-018-D4-6-S	18.5	14*3
AC&DC Built-in booster	SP100-0R7-2-T-6-S	0.75	2*1
	SP100-1R5-2-T-6-S	1.5	4*1
	SP100-2R2-2-T-6-S	2.2	5*1
	SP100-2R2-4-T-6-S	2.2	5*1
	SP100-004-4-T-6-S	4	9*1
AC&DC	SP100-2R2-4-6-S	2.2	14*1
	SP100-004-4-6-S	4	14*1
	SP100-5R5-4-6-S	5.5	14*1
	SP100-7R5-4-6-S	7.5	16*1



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